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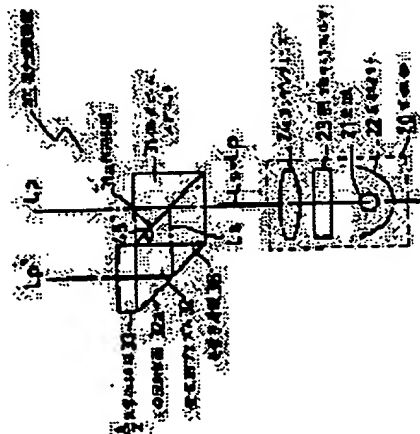
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(54) POLARIZED LIGHT CONVERSION DEVICE, POLARIZED LIGHT ILLUMINATING DEVICE HAVING THIS POLARIZED LIGHT CONVERSION DEVICE AND PROJECTION TYPE DISPLAY DEVICE HAVING POLARIZED LIGHT ILLUMINATING DEVICE

(57)Abstract:

PURPOSE: To provide the polarized light conversion device which can prevent the crosstalk of P polarized light and S polarized light.

CONSTITUTION: This conversion device has a 1st prism having a 1st slope which receives the light from a light source and splits this light to 1st and 2nd light having the planes of polarization intersecting orthogonally with each other, a 1st exit face from which this 1st light emits and a 2nd exit face from which this 2nd light emits, a 2nd prism having an incident face which is disposed to face the 2nd exit face of the above-mentioned 1st prism, a 2nd slope which reflects and deflects the 2nd light from this incident surface and directs the light to an optical path nearly parallel with the optical path of the 1st light and a 3rd exit face which emits the 2nd light reflected by the 2nd slope, and a transparent layer which is crimped by the exit face of the 1st prism and the incident face of the 2nd prism. The above-mentioned transparent layer has the refractive index smaller than the refractive index of the 1st prism.



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